Use Attainability Analysis

for

WBID 0391 Muddy Fork

Submitted by Tetra Tech, Inc

To Missouri Department of Natural Resources Water Protection Program

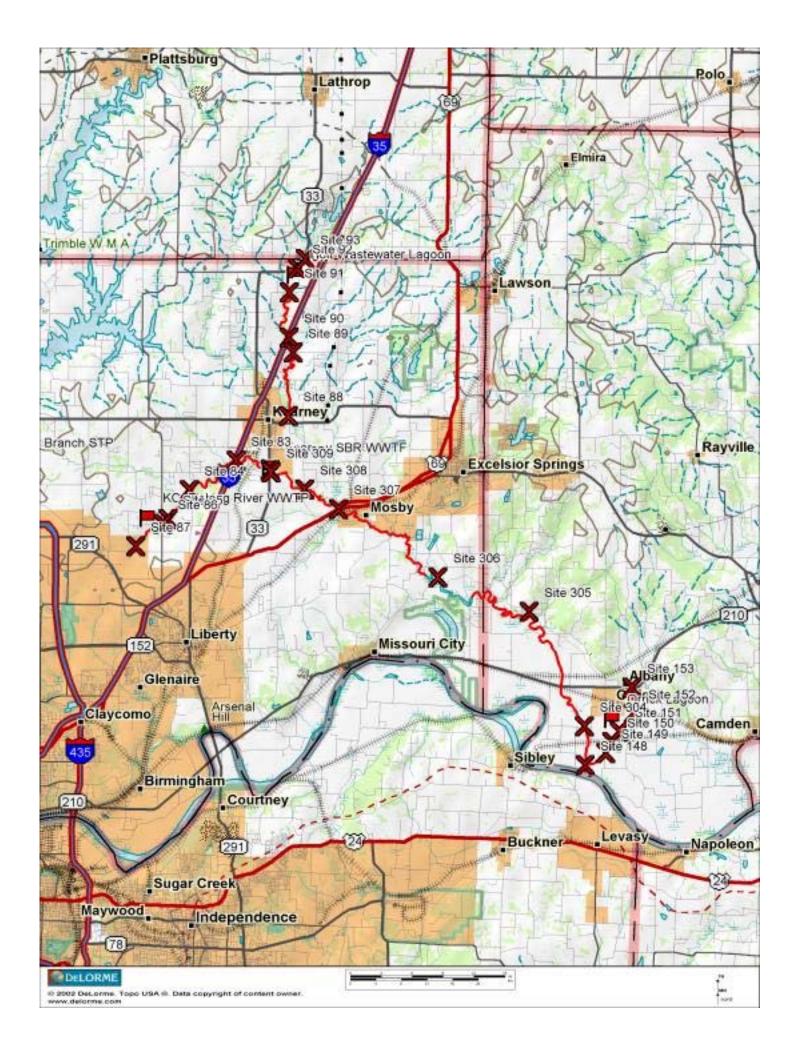
APR # 6 2005

Field Data Sheets for Recreational Use Stream Surveys

WATER PROTECTION PROGRAM

Data Sheet A - Water Body Identification

	Water Body Name:
	(from USGS 7.5' quad) MUDVY FORK; 83-13
	8-digit HUC: 1030010 \
	Missouri WBID #: 0341
	County: CLAY
	Upstream Legal Description:
	Downstream Legal Description:
	Upstream Coordinates:
	(UGS 84, ddd.ddddd) 31.46017 -094.33231 Acu: 45 PL.
	Downstream Coordinates:
	(UGS 84, ddd.ddddd) 49,36773 - 094,345Sよ
	Discharger Facility Name(s): HOLT WAS TO VATOR LAGOR ~
	Discharger Permit Number(s): MD - 10109002
	Number of Sites Evaluated: 6
	Name of Surveyor and Telephone Number: ADAM PIGTITE: 410-356-8993
	Organization: Tothe Toca Inc.
	Position: Assessate Scientifit
	the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA tasheet is true and accurate.
Sig	gned:



Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

					.			
	Missouri WBID #: ()}	8			Site Locati	_		
	Site GPS Coordinates: 3	9.36773/-099	1.34	225	ATC	reost)	WG OF MOGIL	<u>) </u>
	Date & Time: 3 /14	05 / 180 m	<u> </u>		Facility Na	ame:	HOLT WHITEHOU CA	SWN
	Personnel: AND A	46			Permit Nu	mber:		
	Current Weather Condition	ons: Suny "	101		Weather C	onditio	ons for Past 7 days: JW	vry; Dry
	Photo Ids: Upstream:	1550C Dov	vnstrea	m: /4	549C	Other:		
Us	es Observed*:							
	☐ Swimming	☐ Skin diving		□ sct	JBA diving		☐ Tubing	☐ Water skiing
	☐ Wind surfing	☐ Kayaking		□ Boa	ting		☐ Wading	☐ Rafting
	☐ Hunting	Trapping NQ		☐ Fish	ing		☐ None of the above	☐ Other:
	Describe: (include numbe	er of individuals rec	reating	g, freque	ncy of use, p	photo-d	locumentation of evidence	
	A THE AS	Conto Barrer	ON	ill	HION A	ण द	OUDIT CONF NO.	
	1)~ (14)	10.40 18.40(, -		, , , , , , , , , , , , , , , , , , , ,		5 •••	
Su	rrounding Condition	s*: (Mark all that	promot	e or imp	ede recreation	onal us	es. Attach photos of evider	nce or unusual
iter	ms of interest.)	T	T	· · · · · ·				
M	City/county parks	☐ Playgrounds		IDC con	servation la	nds	☐ Urban areas	☐ Campgrounds
	☐ Boating accesses	☐ State parks	ΠИ	ational f	forests		☐ Nature trails	☐ Stairs/walkway
	☐ No trespass sign	☐ Fence	X St	teep slop	es		☐ Other:	
T 3								
Ev	idence of Human Use		· ». · -	T				<u> </u>
	Roads	☐ Foot paths/pri	nts		ock/platform	<u> </u>	☐ Livestock Watering	☐ RV / ATV Tracks
	☐ Rope swings	☐ Camping Sites	<u> </u>	☐ Fi	re pit/ring		☐ NPDES Discharge	☐ Fishing Tackle
	☐ Other:						.1	
Sit	e Locations Map(s):	Attach a map of	entire	segme	ent with as	sessm	ent sites clearly labele	d. Mark any
Ou	er items that may be o	of interest. (Inci-	uae pi	notogra	apns)			
*Sc	ome of this information is r	not intended to direc	ctly inf	luence a	decision on	any on	e particular recreational us	e analysis but
ma			_				=	•
	G	1C- 1	1110	(m	John	ر	5-19-05	
	_				′		10 10 1 0/C	Felm
	September 29, 2004	NOTE	E : C	burha	ones Pr	OVEDE	3-14-05 in weard, 19mi off on map.	Page 18 M
		1-			Pt. M	ren	on map.	

age I wo -	Data Sile	et D loi v	VDID #	•		2000	2.54
tream Mor	phology:			, ,	13 12	20 suc 25 suc	7.5m
		ysical Di	mensions:	11, 15,	12, 13, 1	1) 27 m	1,5m
☐ Riffle	Width (ft)	<u> </u>	Length (ft):	Avg. I	Depth (ft):	Max. Depth (ft):	
Run	Width (ft)	: 13.5 _W	Length (ft):	20 k Avg. I	Depth (ft): 0,13 _M	Max. Depth (ft):). 19m
☐ Pool	Width (ft)		Length (ft):	Avg. I	Depth (ft):	Max. Depth (ft):	
Flow	Present?	Yes	□ No	Estima	ted (fi³/sec):	0.341m/s	•
Downstre	am View	Physical	Dimensions:	. 15, .08, .	1,.12,.12	11	
☐ Riffle	Width (ft)	1	Length (ft):	Avg. I	Pepth (ft):	Max. Depth (ft):	
X Run	Width (ft)	10.3	Length (ft):	20m Avg. I	Depth (ft): 0, 114	Max. Depth (ft): 0	12m
□ Pool	Width (ft)		Length (ft):		Depth (ft):	Max. Depth (ft):	
Flow	Present?	Yes	□ No	Estima	ted (ft ³ /cec):	0.479mls	
			,	1	154 155	5m 1.5m 7.5m	
	(These value Cobble		dd up to 100%.)	96 % Sand	% Silt		Of Deducat
	Coppie	10 %	Gravel	10 70 Sailu	70 311	% Mud/Clay	% Bedrock
		NA			· vice."		
Vater Char	acteristic	s*: (Mark	all that apply.)			-	
Odor:		Sewage	☐ Musky	☐ Chemical	None	☐ Other:	
Color:	<u>)</u>	Clear	☐ Green	☐ Gray	☐ Milky	☐ Other:	
Bottom De	posit:	Sludge	□ Solids	☐ Fine sedim	ents None	Other:	
Surface De	posit: [Oil	□ Scum	☐ Foam	None None	☐ Other:	
This information omprehensive exision on the	on is not to understandi recreation usigned, he true and	be used solong of water use analysis	ely for removal o conditions. Con but may point to rm to the best	of a recreational use of sequently, this informations that need to f my knowled Da	designation but rather mation is not intended further analysis or to ge, that all information:		his UAA
	. (DC 1	tanh	navi	Hock-	3-14-05	





Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

_								
	Missouri WBID #: 0 \	7			Site Loca			
(t)	Site GPS Coordinates: 3	9.40882-1-0	994.3	4181	6 !	BRED	66	
st)[05; (100	- 1 1 .		Facility N		HEET WW FREATHER	T- 1.AC-00W
	Personnel: AVR	ms			Permit N	ımber:		
	Current Weather Condition	ons: Sway 4	ΰĴ		Weather (Conditio	ons for Past 7 days:	40°S
	Photo Ids: Upstream: 64	141594 @ DOV	vnstrea	m/63 or	1593C	Other:		
Use	es Observed*:		·					
		☐ Skin diving		□ scu	BA diving		☐ Tubing	☐ Water skiing
	☐ Wind surfing	☐ Kayaking		☐ Boat	ing		☐ Wading	☐ Rafting
	☐ Hunting	Trapping AR		□ Fishi	ng		☐ None of the above	Other: Lituring
Γ	Describe: (include numbe	r of individuals rec	reating	, freque	ncy of use,	photo-d	locumentation of evidence	of recreational uses, etc
	ASHM	(c) achvi	tus	-bas	Man	Loca	the of condi	and or
	ASJM	15) achivi	hes	-6 n.s	of an	LOCA	And Conde	ford sk
Sui	rrounding Condition		·				es. Attach photos of evide	
Suitem			promote	e or impo		ional us		nce or unusual
Suitem	rrounding Condition as of interest.)	S*: (Mark all that p	promote	e or impo	ede recreat	ional us	es. Attach photos of evide	nce or unusual
Suitem	rrounding Condition as of interest.) □ City/county parks	S*: (Mark all that p	promote M	e or impo	ede recreat servation la	ional us	es. Attach photos of evide Urban areas	nce or unusual
item	rrounding Condition as of interest.) City/county parks Boating accesses	S*: (Mark all that p Playgrounds State parks Fence	promote M	e or imposed of constant of the constant of th	ede recreat servation la	ional us	es. Attach photos of evide Urban areas Nature trails	nce or unusual □ Campgrounds
item	rrounding Condition as of interest.) City/county parks Boating accesses No trespass sign	S*: (Mark all that p Playgrounds State parks Fence	promote M N St	DC constational for	ede recreat servation la orests es	ional us	es. Attach photos of evide Urban areas Nature trails Other:	nce or unusual ☐ Campgrounds ☐ Stairs/walkway
item	rrounding Condition as of interest.) City/county parks Boating accesses No trespass sign dence of Human Use Roads	S*: (Mark all that p Playgrounds State parks Fence Foot paths/pri	promote M N Sta	DC constational for copy slope	ede recreat servation la orests es	ional us	es. Attach photos of evide Urban areas Nature trails Other:	nce or unusual ☐ Campgrounds ☐ Stairs/walkway
Evi	rrounding Condition as of interest.) City/county parks Boating accesses No trespass sign idence of Human Use	S*: (Mark all that p Playgrounds State parks Fence	promote M N Sta	DC constational for copy slope	ede recreat servation la orests es	ional us	es. Attach photos of evide Urban areas Nature trails Other:	nce or unusual ☐ Campgrounds ☐ Stairs/walkway

September 29, 2004

3 15-05

nge Two – Data	Sheet B for V	VBID #	:		7	
		0	7 9 ·	9	3 5m	
ream Morpholo Unstreem View	gy: z Dhygiaal Dir	manajana. DA	.03,.05,.12.	03	05)h	
i e	h (ft):	Length (ft):	م رفاحی میں اور		Max. Depth (ft):	
	h (ft): (05h	Length (ft): 2		(ft): 0,000 M	Max. Depth (ft):	0.12.
/	h (ft):	Length (ft):	Avg. Depth		Max. Depth (ft):	UII M
Flow Prese		□ No		schoot (
71.00	7 108		· _		1014, 3m	3/4
Downstream V	iew Physical	Dimensions:	.25, .3, .3,	15,.15,.1	16 125 3m	
	h (ft):	Length (ft):	Avg. Depth		Max. Depth (ft):	
Run Widt	h (ft): 8.3m	Length (ft):	Avg. Depth	(ft):(),22 M	Max. Depth (ft):	0.3an
□ Pool Widt	h (ft):	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
Flow Prese	nt? XYes	□ No	Estimated (f	ti-1sec): (),25 m/s	
hadmadatka em						
bstrate*: (These % Cobb			% Sand	% Silt	% Mud/Clay	% Bedroc
nter Character	istics*: (Mark	all that apply.)				
Odor:	☐ Sewage	☐ Musky	☐ Chemical	None	☐ Other:	
Color:	Clear	☐ Green	☐ Gray	☐ Milky	Other:	
Bottom Deposit:	☐ Sludge	☐ Solids	Fine sediments	□ None	☐ Other:	
Surface Deposit:	□ Oil	☐ Scum	□ Foam	None	☐ Other:	
nis information is nonprehensive undersision on the recreate the undersigned tasheet is true and the u	ot to be used soltanding of water ion use analysis. I, hereby affi	ely for removal of a conditions. Consect but may point to correct to the best o	recreational use designmently, this information inditions that need furth f my knowledge, t	nation but rather on is not intende ner analysis or th that all inform	d to directly influence a hat effect another use. mation reported or	•
ganization:	t-BU		Positio	n: SUI		-
Qe=	ATA	mi gr	•	3-15-		





Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: ()	7 ^		Site Location D	COCI IDUOII.	
	70	act Dunze			89 : 20
Site GPS Coordinates: 3	1	17-34857	Facility Name	HUT WATERSON	or behinned.
71,3	105/6:00	·	Facility Name:	HUT WASE 150	LAKYUW
	MG	11128	Permit Number:		
Current Weather Conditi		405			NAY:405
Photo Ids: Upstream:		nstream: (16 oc 15960 Othe	r:	
es Observed*:	15 on 1595 C				
☐ Swimming	☐ Skin diving	□ se	CUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	□В	oating	☐ Wading	☐ Rafting
- Unation	Trapping N	□Fi	shing	☐ None of the above	☐ Other:
☐ Hunting			uency of use, photo-	documentation of evidence	of recreational uses, a
Describe: (include numb	er of individuals rec		,,		or recreational uses, c
Describe: (include numb	E ACTIVETY	AR		uses. Attach photos of evider	
Describe: (include numb	E ACTIVETY	AR promote or in			
Describe: (include numb	AS*: (Mark all that p	AR promote or in	mpede recreational u	uses. Attach photos of evider	nce or unusual
rrounding Condition City/county parks	AS*: (Mark all that p	AR oromote or in	mpede recreational u conservation lands	uses. Attach photos of evider Urban areas Nature trails	Campgrounds ☐ Stairs/walkway
rrounding Condition ms of interest.) City/county parks Boating accesses No trespass sign	AS*: (Mark all that p Playgrounds State parks Fence	oromote or in MDC c	mpede recreational u conservation lands	ses. Attach photos of evider Urban areas	Campgrounds ☐ Stairs/walkway
rrounding Condition ms of interest.) City/county parks Boating accesses No trespass sign	AS*: (Mark all that p Playgrounds State parks Fence	oromote or in MDC c Nationa	mpede recreational u conservation lands	Ses. Attach photos of evider ☐ Urban areas ☐ Nature trails ☐ Other: [] [] [] []	Campgrounds Stairs/walkway
rrounding Condition s of interest.) City/county parks Boating accesses No trespass sign idence of Human Us	AS*: (Mark all that p Playgrounds State parks Fence	oromote or in MDC c Nationa Steep sl	mpede recreational u conservation lands al forests lopes	uses. Attach photos of evider Urban areas Nature trails	Campgrounds Stairs/walkway
Describe: (include numb rrounding Condition as of interest.) City/county parks Boating accesses No trespass sign idence of Human Us Roads	AS*: (Mark all that p Playgrounds State parks Fence Foot paths/prir	oromote or in MDC c Nationa Steep sl	mpede recreational unonservation lands al forests lopes Dock/platform	Ses. Attach photos of evider ☐ Urban areas ☐ Nature trails ☐ Other: 片子G月份。	Campgrounds Stairs/walkway

may point to conditions that need further analysis or that effect another use.

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				,					2.		
Pa	ge Two – D	ata Shee	et B for W	VBID#	70:			05	3 m		
~ .					•		l	DS	3m		
	ream Morpl Upstream V		veical Dir	nonsions	1 . 50	. 25. 0) Da	No	ろん		
		Width (ft):		Length (ft):	17100;	Avg. Depth			Max. Depth ((ft):	
		Width (ft):	3.4m	Length (ft):	20m	Avg. Depth	(ft): 0, Z h	~	Max. Depth (34-
		Width (ft):		Length (ft):		Avg. Depth			Max. Depth (
	Flow	Present?	Yes	□ No		Estimated (f	13/sec): ATM	5	0,294/5		
	Downstrear	n View 1	Physical 1	Dimensions:	.08,.12		1	133	3m 31	^	
			5,5m	Length (ft):		Avg. Depth			Max. Depth (ft):	
				Length (ft):	20m	Avg. Depth	(ft): 0,09p	~	Max. Depth (ft): <i>O</i>	i dm
	.□ Pool \	Width (ft):		Length (ft):		Avg. Depth			Max. Depth (
	Flow F	Present?	Yes	□ No		Estimated (f	3/scc): Ami	(Ω)	23 m/s		
Su	hetrata*• (1	These walls	an abould o	dd up to 100%.)							
Su		Cobble		Gravel Gravel	20% Sano	1	% Silt	10	% Mud/Clay		% Bedrock
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					•			
Aq	uatic Veget	ation*:	(note amou	nt of vegetation	or algal grov	th at the asse	ssment site)				
	٨	111									
	/	V/ }									
XX 7.	ater Charac	rtoristics	* (N.Faula a	11 ab aa amaalaa \							
	Odor:		Sewage	Musky	☐ Che	emical	□ None		☐ Other:		
	Color:	<u> </u>	Clear	☐ Green	☐ Gra		☐ Milky		☐ Other:		
	Bottom Depo		Sludge	☐ Solids	<u> </u>	e sediments	□ None		☐ Other:		
	Surface Depo	osit: 🔲	Oil	☐ Scum	X Foa	m	None P	truc	_□ Other:		
•								,	·		l
Co	mments: Pl	ease atta	ch additio	onal commen	ts (includin	g informati	ion from in	itervi	ews) to this fo	orm.	
*T1	is information	is not to l	ha usad sola	dy for removal	of a repression	nol use decion	ation hut rat	han ia 1	to provide a mor		
									directly influer		
									effect another us		
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	tasheet is tr				of the	o wroago, c		J1 1114	tion reported	· OII t	ins Office
Sig	med: W	rm Red	ty Ty			Date:	3/15	105	•		
		TH	- BLT	t							
Uľ	ganization:_		<u> </u>	. 1		Positioi	n:		· •		-
		Q	C- A	m	a /2	Position	3-15	75			





Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

	Missouri WBID #: 09			Site Location			
	Site GPS Coordinates:	39.43742 FO	74.34915	le man	(4k /)	m he land a.	
	Date & Time: 3-15-04	ž		Facility Nan	ne:	HORT WW LAGOON	
	Personnel: AUR - St	16		Permit Num	ber:	-	
	Current Weather Condition	ons: Suny;4	DS	Weather Con	nditio	ns for Past 7 days:	
	Photo Ids: Upstream: 60	UR 1590 C DOW	vnstream: 6/0	R 1591C C	Other:	62 R 159 864K GAE	
Us	es Observed*:		·			15920	
	☐ Swimming	☐ Skin diving	□ sc	UBA diving		☐ Tubing	☐ Water skiing
	☐ Wind surfing	☐ Kayaking	□Во	ating		☐ Wading	☐ Rafting
	☐ Hunting	Trapping A	Fis	hing		☐ None of the above	☐ Other:
	Describe: (include number			ency of use, ph	ioto-d	ocumentation of evidence	
	- Box OF WOR	ms on s	BANK				,
	0000						
	- DOX OF CHOR	exus (see p	4008				
		•	٧,		ř		
						·	
	rrounding Condition	ts*: (Mark all that p	promote or in	pede recreation	nal use	es. Attach photos of eviden	ice or unusual
	☐ City/county parks	☐ Playgrounds	☐ MDC co	nservation land	is	☐ Urban areas	☐ Campgrounds
	☐ Boating accesses	☐ State parks	☐ National	forests		☐ Nature trails	☐ Stairs/walkway
	☐ No trespass sign	☐ Fence	Steep slo	pes		☐ Other:	
Ev	idence of Human Us	e*:	7				
	☐ Roads	Foot paths/pri	nts 🗆 I	Oock/platform		☐ Livestock Watering	□ RV / ATV Tracks
	☐ Rope swings .	☐ Camping Sites		ire pit/ring		☐ NPDES Discharge	☐ Fishing Tackle
	Other: Box of						
	U	Attach a map of			essm	ent sites clearly labele	d. Mark any
*So ma	y point to conditions that r	not intended to direct need further analysis	or that effect	another use.	ıny on	e particular recreational us	e analysis but

Page Two - Data Sheet B for WBID #____:

tream Morph Upstream V	ol <mark>ogy:</mark> iew Ph	ysical Dir	nensions: 55	، کھا،	9.08.0	,,,Z		
	/idth (ft):		Length (ft):		Avg. Dept	.,	Max. Depth (ft)):
□ Run W	/idth (ft):		Length (ft):		Avg. Dept	h (ft):	Max. Depth (ft)):
⊅ Pool W	/idth (ft):	15 mlest	Length (ft): 2	0 m	Avg. Dept	h (ft): (),77 _m	Max. Depth (ft)	:1.0m
X Flow P	resent?	☐ Yes	Z/No		Estimated	(ft ³ /sec):		
Downstream	a View I	Physical 1	Dimensions: •	35 2	41.5	515		
1	/idth (ft):		Length (ft):		Avg. Dept		Max. Depth (ft)	:
□ Run W	/idth (ft):		Length (ft):		Avg. Dept	h (ft):	Max. Depth (ft)	:
Pool W	/idth (ft):	20m	Length (ft): Q	Om	Avg. Dept	h (ft): ().37 "	Max. Depth (ft)	:0.55m
I Flow P	resent?	☐ Yes	No		Estimated			0.00.70
ubstrate*: (T	hese valu		dd up to 100%.) Gravel 60	% San		6 % Silt	% Mud/Clay	30 % Bedrock
		Nucky	nt of vegetation or a	wen Ero.	THE RESERVE	oossinoin site)		
ater Charac	teristics	*: (Mark a	ill that apply.)					
Odor:		Sewage	☐ Musky	☐ Ch	emical	None	☐ Other:	
Color:		Clear	Green	X Gr	ay	Milky	☐ Other:	
Bottom Depos	sit: 🗆	Sludge	□ Solids	A Fir	ne sediments	□ None	Other:	
Surface Depos	sit: 🗀	Oil	□ Scum	□ Fo	am	None p	MC Other: Alga	e-floating
						ation from int	terviews) to this for	
mprehensive und	derstandi	ng of water	conditions. Consec	quently, t	his informat	ion is not intend	er is to provide a more led to directly influence that effect another use.	: a
the undersignatasheet is tru			rm to the best o	f my kı	nowledge,	that all info	rmation reported	on this UAA
gned:	w fleth	}				3/5/05		
rganization:	\\£ -	BU			Positi	on: <u>SU</u>	Γ.	
	Q	0 - A	M	- y	nh	3-1	505	







Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

950211094.3° 5 / 3 pM 6 0ns: SUNN 1910 1589€ □ Skin diving □ Kayaking □ Trapping	/nstream	Facility Name: Permit Number: Weather Condition	Aur him Ukban	1587C
Dons: SUNN 411 Down 1584C	vnstream	Permit Number: Weather Condition: State 1586	ions for Past 7 days: 15886 ACCAR; 57 00	1587C
Downs: SUNN (1) Downs: Skin diving Kayaking	vnstream	Weather Condition: See 1586 C	ions for Past 7 days: 1: 59401586 ALGAE; 5700	1587C
Down 1589	vnstream	1586C	1598C	1587C
☐ Skin diving☐ Kayaking	56 0	x 1586C	1598C	1587C
☐ Skin diving ☐ Kayaking		× 1586C	1598C	1587C
☐ Kayaking		☐ SCUBA diving	☐ Tubing	_
17	. [☐ Water skiing
Trapping		☐ Boating	☐ Wading	☐ Rafting
	j	Fishing	☐ None of the above	☐ Other:
Sike (Differing all shoots				
s (Iviark an mai p	romote	or impede recreational ti	ses. Attach photos of evider	ice or unusual
[] N	I	NO		100
☐ Playgrounds		OC conservation lands	☐ Urban areas	☐ Campgrounds
☐ State parks	□Na	tional forests	☐ Nature trails	☐ Campgrounds ☐ Stairs/walkway
	□Na			
☐ State parks	□Na	tional forests	☐ Nature trails	
☐ State parks ☐ Fence	□ Na	tional forests	☐ Nature trails	☐ Stairs/walkway
☐ State parks ☐ Fence	□ Na	tional forests ep slopes	☐ Nature trails ☐ Other:	
	s*: (Mark all that p	*: (Mark all that promote	*: (Mark all that promote or impede recreational u	*: (Mark all that promote or impede recreational uses. Attach photos of eviden

September 29, 2004

may point to conditions that need further analysis or that effect another use.

Page 18

age Two – Data	Sheet B for V	VBID # <u>09</u>	12	@ 5	1.5m
stream Morpholo Upstream View		mangiang. L	09, .32, .35, .3	8 5 85 1.11, Ts	1,5m
	v 1 11ysicai Dii h (ft):	Length (ft):	Avg. Depth ('	Max. Depth (ft):
	h (ft): 5m	Length (ft):	2- 4 5 4 6	c) () () () ()	Max. Depth (ft): 0.38 m
ł .	h (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Flow Prese	ent? Yes	□ No	Estimated (ft	Vsec) Am (). U(en/s
Downstream V	iew Physical	Dimensions:	15,.2,.2,25,.	Ø.	In In
☐ Riffle Widt	h (ft):	Length (ft):	Avg. Depth (1		Max. Depth (ft):
Run Widt	h (ft): 5.5m	Length (ft):	Jon Avg. Depth (1	ft):(),2 N	Max. Depth (ft): 63m
☐ Pool Widt	h (ft):	Length (ft):	Ave Denth (ft). 1	May Denth (ft):
Flow Prese	ent? CYes	□ No	Estimated (ft ³	18EC): AME 0,05.	u 1s
quatic Vegetatio	on*: (note amou	nt of vegetation of	or algal growth at the asses		Mud/Clay
ater Character	istics*: (Mark a	all that apply.)	Z Chemical	□ None □] Other:
Color:	Clear	☐ Green	☐ Gray		Other:
Bottom Deposit:	□ Sludge	☐ Solids	Fine sediments		Other:
Surface Deposit:	□ Oil	☐ Scum	□ Foam	None	l Other:
This information is n mprehensive unders cision on the recreat	ot to be used sole tanding of water tion use analysis l	ely for removal of conditions. Cons but may point to	s (including information a recreational use designate the designation and the designation conditions that need further of my knowledge, the Date:	ation but rather is to p is not intended to dir r analysis or that effe	rovide a more ectly influence a
1	4 = AT	·		: Scs. [.	
rganization:	à. A	- Wa	Position Mk	3-15-05	









Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #:	huddy cra 1993		Site Location De	-	
Site GPS Coordinates:	79.46009/094	33240	TOKE OR) PP CRUSING	
Date & Time: 7/15/	5: 1650 ms		Facility Name:	JAURT DIN LAGULA	
Personnel: AR Au	G		Permit Number:	,	
Current Weather Condi	tions: JUNNY:40	'{	Weather Conditi	ons for Past 7 days:	
Photo Ids: Upstream: 5	308 1583 C DOV	nstream: 5	5 0R 1585C Other	: 54 cr 15845 AKAR 1584C	
ses Observed*:				1584C	
	☐ Skin diving	□s	CUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	□ B	Soating	☐ Wading	□ Rafting
☐ Hunting	Trapping N	≥ 	ishing AR	☐ None of the above	☐ Other:
Describe: (include num			quency of use, photo-	documentation of evidence	of recreational uses, et
ASDM errounding Condition	ber of individuals rec	- ka		documentation of evidence	
ASOUM	ber of individuals rec	oromote or i			
ASJUM arrounding Conditions of interest.)	ber of individuals reconstruction ACOLVILLY Ons*: (Mark all that p	oromote or i	mpede recreational u	ses. Attach photos of evide	nce or unusual
rrounding Conditions of interest.) □ City/county parks	ons*: (Mark all that p	oromote or i	mpede recreational u conservation lands al forests	ses. Attach photos of evide	nce or unusual
ASDIM Trounding Condition ms of interest.) City/county parks Boating accesses	ons*: (Mark all that p Playgrounds State parks	oromote or i	mpede recreational u conservation lands al forests	ses. Attach photos of evide Urban areas Nature trails	nce or unusual
ASJUM ASJUM ASJUM ASJUM Condition ms of interest.) □ City/county parks □ Boating accesses □ No trespass sign	ons*: (Mark all that p Playgrounds State parks	oromote or i	mpede recreational u conservation lands al forests	ses. Attach photos of evide Urban areas Nature trails	nce or unusual □ Campgrounds
Trounding Conditions of interest.) City/county parks Boating accesses No trespass sign	ons*: (Mark all that p Playgrounds State parks Fence	oromote or i	impede recreational u conservation lands al forests clopes	ses. Attach photos of evide Urban areas Nature trails Other:	nce or unusual ☐ Campgrounds ☐ Stairs/walkway

other items that may be of interest. (Include photographs)

*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Pε	ige Two – I	Data S	heet B for V	WBID # <u>. 09</u> 7	<u>}</u> :				
St	ream Mor Upstream		y: Physical Di	mensions: 。(14,	225	(0	165 In	Im
	☐ Riffle	Width	(ft):	Length (ft):		Avg. Depth	ı (ft):	Max. Depth	(ft):
	Run	Width	(ft): 7 Ma	Length (ft):	70m	Avg. Depth	(ft): 0, 13m	Max. Dopth	(A): 0.25m
	☐ Pool	Width	(ft):	Length (ft):		Avg. Depth		Max. Depth	
	Flow	Present	? X Yes	□ No		Estimated (ft ³ /sec): (), O	<i>amls</i>	
	Downstre	am Vie	w Physical	Dimensions:	2, 25	· H	15.2	35.5	lm
	☐ Riffle	Width		Length (ft):		Avg. Depth	(ft):	Max. Depth	
	□ Run	Width	ft):	Length (ft):		Avg. Depth	(ft):	Max. Depth	(ft):
	Pool	Width	ft): 7.5m	Length (ft):	ton_	Avg. Depth	(ft): 0.18 m	Max. Depth	(ft): 0.26 m
	Flow	Present	? XYes	□ No		Estimated (ft ³ /sec): fvv b.C	4m (s	
	少0 % uatic Veg	Cobble etation	*: (note amou	dd up to 100%.) Gravel 40 ont of vegetation or	% Sand		% Silt 30	% Mud/Clay	% Bedrock
W		ok /	ics*: (Mark a	all that apply.)	□ Che	mical	None	□ Other:	
	Color:		☐ Clear	☐ Green	☐ Gra		Milky	Other:	
	Bottom Dep	oosit:	☐ Sludge	□ Solids		sediments	□ None	☐ Other:	
	Surface Dep	oosit:	□ Oil	☐ Scum	☐ Foar		None	☐ Other:	
*Theondec:	nis information prehensive unision on the rhe undersitasheet is t	igned,	to be used sole ding of water use analysis	onal comments of a conditions. Consequently for removal of a conditions. Consequently for the best of	recreation quently, the anditions th	al use design is information at need furth owledge, t	nation but rather is on is not intended (ner analysis or that	to provide a monoide directly influer effect another use ation reported	re nce a se.
		.)	A N	1 m	MBY		5 15 05		







Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: 43	REVISIT		Site Location	Description:	
Site GPS Coordinates:		3231 43.44	- HOWE OVERTO	NA LONIC	
Date & Time: 55-16-05		······································	Facility Name	HULT WAS TENATED LA	GSC√
Personnel: CHAD BARD	BUR , DERANY ROO	sce~	Permit Numbe		
Current Weather Condi	tions: 44°F, Suna	У	Weather Cond	itions for Past 7 days:	
Photo Ids: Upstream:			73 (5 Ott	er:	
es Observed*:					
☐ Swimming	☐ Skin diving	□ sc	UBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing		☐ Boa	ating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fisl		☑ None of the above	☐ Other:
Describe: (include num RELATIVELY SHA	•				o or recreational aloos, etc.
RELATIVELY SHA	LLOW, No RECA	NEATZO~AL	USES ELSERY		
RELATIVELY SHA	ns*: (Mark all that p	oromote or im	USES ELSERY	/GD	ence or unusual
RELATIVELY SHA	LLOW, No RECA	oromote or im	pede recreational	uses. Attach photos of evide	
rrounding Conditions of interest.) City/county parks	ns*: (Mark all that p	promote or im	pede recreational	uses. Attach photos of evide	ence or unusual Campgrounds Stairs/walkway
Trounding Conditions of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that p	promote or im MDC co	pede recreational	uses. Attach photos of evide	ence or unusual Campgrounds Stairs/walkway
rrounding Conditions of interest.) City/county parks Boating accesses	ns*: (Mark all that p	oromote or im MDC co National	pede recreational	uses. Attach photos of evide	ence or unusual Campgrounds Stairs/walkway
rrounding Conditions of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that p Playgrounds State parks Fence	promote or im MDC co National Steep slo	pede recreational nservation lands forests pes	uses. Attach photos of evide ☐ Urban areas ☐ Nature trails ☐ Other: AGATCVLTO	ence or unusual □ Campgrounds □ Stairs/walkway

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

September 29, 2004

OTR 03/16/05

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^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Page Two - Data Sheet B for WBID #93-86-13537:

□ Riffle W	idth (ft):		Length (ft):	Avg. I	Depth (ft):		Max. Depth (ft):
⊠'Run W	idth (ft): 5	5,7m	Length (ft): 20	Avg. I	Depth (ft): O.1	3 m	Max. Depth (ft): 0.21m
□ Pool W	idth (ft):		Length (ft):	Avg. I	Depth (ft):		Max. Depth (ft):
☑ Flow Pro	esent?	☑ Yes	□ No	Estima	ted (ft³/sec): 4	n =225	: 4m= 235; 4m=	115
)ownstream	View Pl	vsical '	Dimensions: 0		٠.		F600= 0:14	~15]
	idth (ft):	<u> </u>	Length (ft):		epth (ft):		Max. Depth (ft):
⊠ Run W	idth (ft):	513m	Length (ft): 🔌	Avg. I	Depth (ft): O. 1	~~~~~	Max. Depth (1	ft): ტ. დბ _თ
□ Pool W	idth (ft):		Length (ft):		Depth (ft):		Max. Depth (1	
Flow Pro	esent?	Yes	□ No	Estima	ted (ft ³ /sec): 40	212s2	4m=15>:4n=18	3 5
				· · · · · · · · · · · · · · · · · · ·		PLOW	= 0.27~15	
ostrate*: (Th			dd up to 100%.) Gravel 50	% Sand	% Sil	্ৰ হ	% Mud/Clay	% Bedrock
			nt of vegetation or Pocks, Therough		e assessment si	te)		
Nov46 AlGA	te Ghow)	int on	ROCKS, THEOLEH		e assessment si	te)		
MONE ALGA	eristics*	(Mark a	Nocks, Therough	ov T.			□ Other:	
North ALGA	te Ghow! eristics* □ S	: (Mark a	Nocks, Therough all that apply.) Musky	○ T.	☑ None	3	☐ Other:	
ter Charact	eristics*	: (Mark a	Nocks. Therework all that apply.) Musky Green	□ Chemical	☑ None	y	☐ Other: ☐ Other: ☐ Other:	
ter Charact Odor: Color:	eristics*	: (Mark a ewage lear	Nocks, Therough all that apply.) Musky	○ T.	☑ None	y y	☐ Other:	
ter Charact Odor: Color: Bottom Deposi Surface Deposi mments: Ple is information i prehensive und sion on the recr he undersign asheet is tru	eristics* Sit: Sit: Solution of the belierstanding reation use	: (Mark a ewage lear ludge iil h addition used sole of water analysis	all that apply.) Musky Green Solids Scum onal comments (ely for removal of a conditions. Consecutions control to the best of the control of the control of the best of the control of the best of the b	☐ Chemical ☐ Gray ☐ Fine sedim ☐ Foam ☐ including information of the complete	None None None None None None None None	y interverse tended of sor that	Other: Other: Other: iews) to this for to provide a more to directly influence effect another us	e ce a e.
ter Charact Odor: Color: Bottom Deposi Surface Depos mments: Ple is information i prehensive und sion on the recr ne undersign asheet is tru	eristics* Sit: Sit: O ase attacles not to be derstanding reation use the dead according to the decade and according to the decade accord	(Mark a ewage lear ludge bil haddition used sole of water analysis by affin curate.	all that apply.) Musky Green Solids Scum onal comments (ely for removal of a conditions. Consecutions to coord to the best of the best of the conditions of the best of the b	☐ Chemical ☐ Gray ☐ Fine sedim ☐ Foam ☐ including information of the complete	None Milk ents None None mation from designation but mation is not in further analys	y interverse tended of sor that	Other: Other: Other: iews) to this for to provide a more to directly influence effect another us	e ce a e.



